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**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Applicant Richard D. Cummings, et al.

Filing Date Herewith

Group 1644

U. S. PATENT DOCUMENTS

EXAM INIT.		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<u>16</u>	AA	3	6	2	5	2	1	4	12/07/1971	Higuchi	128	260	
	AB	3	9	9	5	4	4	4	12/07/1976	Clark et al.	62	306	
	AC	4	4	9	4	3	8	5	01/22/1985	Kuraoka et al.	62	306	
	AD	4	7	8	3	3	3	0	11/08/1988	Furie et al.	424	1.1	
	AE	4	8	4	9	5	1	3	07/18/1989	Smith et al.	536	27	
	AF	4	9	0	6	4	7	4	03/06/1990	Langer et al.	424	428	
	AG	4	9	2	5	6	7	3	05/15/1990	Steiner et al.	424	455	
	AH	5	1	1	4	8	4	2	05/19/1992	Plow et al.	424	85.8	
	AI	5	1	3	5	9	1	6	08/04/1992	Sims et al.	514	21	
	AI2	5	1	9	8	4	2	4	03/30/1993	McEver et al.	514	13	
	AJ	5	2	1	1	9	3	6	05/18/1993	Brandley et al.	424	1.1	
	AK	5	2	4	0	8	3	3	08/31/1993	Nudelman et al.	435	70.21	
	AK2	5	3	7	8	4	6	4	01/03/1995	McEver et al.	424	143.1	
	AK3	5	4	6	4	7	7	8	11/07/1995	Cummings et al.	436	503	
	AL	5	7	6	7	2	4	1	06/16/1998	McEver	530	350	
	AM	5	8	2	7	8	1	7	10/27/1998	Larsen et al.	514	2	
	AN	5	8	4	3	7	0	7	12/01/1998	Larsen et al.	435	69.1	
	AO	5	8	5	2	1	7	5	12/22/1998	Cummings et al.	530	388	
	AP	5	8	8	0	0	9	1	03/09/1999	Cummings et al.	514	8	
	AQ	5	9	1	9	6	3	7	07/06/1999	McEver	435	7.21	
	AQ2	5	9	2	9	0	3	6	07/27/1999	McEver	514	25	
	AQ3	6	1	7	7	5	4	7	01/23/2001	Cummings et al	530	388. 22	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAM INIT.		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	Translation	
													YES	NO
	AR	0	1	5	3	8	9	6	09/04/1985	EPO				
	AS	9	1	0	6	6	3	2	05/16/1991	PCT				

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAM INIT.		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	Translation	
													YES	NO
	AT	9	1	0	7	9	9	3	06/13/1991	PCT				
	AU	9	1	1	9	5	0	1	12/26/1991	PCT				
	AV	9	2	0	1	7	1	8	02/06/1992	PCT				
	AW	9	2	1	6	6	1	2	10/01/1992	PCT				
	AX	9	3	0	5	8	0	3	04/01/1993	PCT				
	BA	9	4	1	1	4	9	8	05/26/1994	PCT				
	BB	9	5	3	0	0	0	1	11/09/1995	PCT				

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EXAM INIT.		
	BC	Aruffo et al., "CD62/P-Selectin Recognition and Myeloid and Tumor Cell Sulfatides", <u>Cell</u> , 67:35-44 (1991).
	BD	Aulabaugh et al., "Conformational Analysis of Bombesin Analogues", <u>Peptides</u> , 526-528 (1990).
	BE	Battistutta et al., "Circular Dichroism and ¹ H NMR Studies on Bombolitin-related Peptides in Aqueous Solution Containing SDS Micelles", <u>Peptides</u> 525-526 (1992).
	BF	Beckstead et al., "Immunohistochemical Localization of Membrane and α-Granule Proteins in Human Megacaryocytes: Application to Plastic-Embedded Bone Marrow Biopsy Specimens", <u>Blood</u> , 67:285-293 (1986).
	BG	Bevilacqua et al., "Identification of an Inducible Endothelial Leukocyte Adhesion Molecule", <u>Proc. Natl. Acad. Sci. USA</u> , 84:9238-9242 (1987).
	BH	Bevilacqua et al., "Endothelial Leukocyte Adhesion Molecule 1: An Inducible Receptor for Neutrophils Related to Complement Regulatory Proteins and Lectins", <u>Science</u> , 243:1160-1165 (03/03/89).
	BI	Bienvenu et al., "Molecular Determinants of Shear Rate-Dependent Leukocyte Adhesion in Postcapillary Venule", <u>The American Physiology Society</u> , H1504-H1508 (1993).
	BJ	Bierhuizen et al., "Expression of a Differentiation Antigen and Poly-N-acetylglucosaminyl O-glycans Directed by a Cloned Core 2 β-1,6-N-Acetylglucosaminyltransferase", <u>The Journal of Biological Chemistry</u> 269(6):4473-4479 (1994).
	BK	Bonfanti et al., "PADGEM (GMP140) Is a Component of Weibel-Palade Bodies of Human Endothelial Cells", <u>Blood</u> 73:1109-1112 (1989).
	BL	Borman S., "Glycotechnology Drugs Begin to Emerge from the Lab", <u>C&EN</u> 27-34 (June 28, 1993).
	BM	Bowen et al., "Characterization of a Human Homologue of the Murine Peripheral Lymph Node Homing Receptor," <u>J. Cell Biol.</u> , 109:421-427 (July 1989).
	BN	Brandley et al., "Carbohydrate Ligands of the LEC Cell Adhesion Molecules", <u>Cell</u> , 63:861-863.
	BO	Brockmeyer et al., "Distribution of Cell Adhesion Molecules (ICAM-1, VCAM-1, ELAM-1 in Renal Tissue During Allograft Rejection", <u>Transplantation</u> 55:610-615 (1993).
	BP	Burgen et al., "Binding of Flexible Ligands to Macromolecules", <u>Nature</u> , 253:753-755 (1975).
	BQ	Buttrum et al., "Selectin-Mediated Rolling of Neutrophils on Immobilized Platelets", <u>Blood</u> , 83:1165-1174 (1993).
	BR	Colman et al., "Three-Dimensional Structure of a Complex of Antibody with Influenza Virus Neuraminidase", <u>Nature</u> , 326:358-363 (1987).
	BS	Corral et al., "Requirement for Sialic Acid on Neutrophils in a GMP-140 (PADGEM) Mediated Adhesive Interaction with Activated Platelets", <u>Biochemical and Biophysical Research Communications</u> , 172:1349-1356 (1990).
	BT	Cummings R., Untitled paper prepared at the University of Oklahoma Health Sciences Center, March 23, 1995.
	BU	Damle et al., "GMP-140 (P-selectin/CD62) Binds to Chronically Stimulated but not Resting CD4 ⁺ T Lymphocytes and Regulates Their Production of Proinflammatory Cytokines", <u>Eur. J. Immunol.</u> , 22:1789-1793 (1992).
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BX		Dorfman et al., "Human Transcription Factor GATA-2", <u>J. Biol. Chem.</u> , 267:1279-1285 (1992).
BY		Dunlop et al., "Characterization of GMP-140 (P-selectin) as a Circulating Plasma Protein", <u>J. Exp. Med.</u> , 175:1147-1150 (1992).
BZ		Edwards et al., "The Role of Leukocytes in the Activation of Blood Coagulation", <u>Seminars in Hematology</u> , 29:202-212 (1992).
CA		Engleberts et al., "Generalized Inflammation During Peritonitis Evidenced by Intracutaneous E-Selectin Expression", <u>Clinical Immunology and Immunopathology</u> , 65:330-334 (1992).
CB		Engelberts et al., "A Role for ELAM-1 in the Pathogenesis of MOF during Septic Shock", <u>Journal of Surgical Research</u> , 53:136-144 (1992).
CC		Franklin T., "Binding Energy and the Activation of Hormone Receptors", <u>Pharmacology</u> , 29:853-856 (1980).
CD		Fukuda et al., "Structures of Sialylated Fucosyl Polylactosaminoglycans Isolated from Chronic Myelogenous Leukemia Cells", <u>J. of Biol Chem</u> , 260(24):12957-12967 (1985).
CE		Fukushi et al., "Novel Fucolipids Accumulating in Human Adenocarcinoma," <u>J. of Biol. Chem.</u> , 259(16):10511-10517, (1984).
CF		Fuggle et al., "Variation in Expression of Endothelial Adhesion Molecules in Pretransplant and Transplanted Kidneys-Correlation with Intra-graft Events", <u>Transplantation</u> , 55:117-123 (1993).
CG		Gamble et al., "Prevention of Activated Neutrophil Adhesion to Endothelium by Soluble Adhesion Protein GMP140", <u>Science</u> , 249:414-417 (1990).
CH		Geng et al., "Lectin Domain Peptides from Selectins Interact with Both Cell Surface Ligands and Ca ²⁺ Ions", <u>J. Biol. Chem.</u> , 267:19846-19853 (1992).
CI		Geng et al., "Rapid Neutrophil Adhesion to Activated Endothelium Mediated by GMP-140", <u>Nature</u> 343:757-760 (1990).
CJ		Gibbons et al., "New Mechanisms and Intermediates in the Folding and Unfolding of Peptides and Proteins: Bioactive solution Conformation of Linear Peptides", <u>Peptides</u> , 508-509 (1990).
CK		Goelz et al., "ELFT: A Gene That Directs the Expression of an ELAM-1 Ligand," <u>Cell</u> , 63:1349-1356, (1990).
CL		Grober et al., "Monocyte-Endothelial Adhesion in Chronic Rheumatoid Arthritis", <u>J. Clin. Invest.</u> , 91:2609-2619 (1993).
CM		Hakomori S., "Aberrant Glycosylation in Cancer Cell Membranes as Focused on Glycolipids: Overview and Perspectives", <u>Cancer Research</u> , 45:2405-2414 (1985).
CN		Hamburger et al., "GMP-140 Mediates Adhesion of Stimulated Platelets to Neutrophils", <u>Blood</u> , 75:550-554 (1990).
CO		Handa et al., "Selectin GMP-140 (CD62; PADGEM) Binds to Sialosyl-Le ^x , and Sulfated Glycans Modulate this Binding", <u>Biochemical and Biophysical Research Communications</u> , 181:1223-1230 (1991).
CP		Hard et al., "The Carbohydrate Chains of the β Subunit of Human Chorionic Gonadotropin Produced by the Choriocarcinoma Cell Line BeWo", <u>Eur. J. Biochem</u> , 205:785-798 (1992).
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CS		Hemmerich et al., "Structure of the O-Glycans in BlyCAM-1, and Endothelial-derived Ligand for L-selectin", <u>The Journal of Biological Chemistry</u> 270(20):12035-12047 (1995).
CT		Hoff et al., "Increased Expression of Sialyl-Dimeric Le ^x Antigen in Liver Metastases of Human Colorectal Carcinoma", <u>Cancer Research</u> , 49:6883-6888 (1989).
CU		Hollengaugh et al., "Interaction of P-Selectin (CD62) and Its Cellular Ligand: Analysis of Critical Residues" <u>Biochemistry</u> , 32:2960-2966 (1993).
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CW		Jewell et al., "Cytokine Induction of Leucocyte Adhesion Molecules-1 (LAM-1) Expression on Chronic Lymphocytic Leukaemia Cells", <u>LEUKEMIA</u> 6(5):400-404 (1992).
CX		Johnston et al., "Cloning of GMP-140: Chromosomal Localization, Molecular Heterogeneity and Identification of cDNAs Predicting Both Membrane Bound and Soluble Proteins", <u>Blood Suppl.</u> , 72:327a (1988).

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910	CY	Johnston et al., "Cloning of GMP-140, a Granule Membrane Protein of Platelets and Endothelium: Sequence Similarity to Proteins Involved in Cell Adhesion and Inflammation", <u>Cell</u> , 56:1033-1044 (1989).
	CZ	Johnston et al., "Structural and Biosynthetic Studies of the Granule Membrane Protein, GMP-140, from Human Platelets and Endothelial Cells", <u>The Journal of Biological Chemistry</u> , 264:1-8 (1989).
	CZA	Johnston et al., Structure and Biosynthesis of the Platelet α -Granule Membrane Protein, GMP-140", <u>Platelets</u> , p. 352a, abstract # 1264.
	DA	Johnston et al., "Structure of the Human Gene Encoding Granule Membrane Protein-140, a member of the Selectin Family of Adhesion Receptors for Leukocytes", <u>The Journal of Biological Chemistry</u> 265(34):21381-21385 (1990).
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	DG	Laczko-Hollosi et al., "Conformational Change of a Synthetic Amyloid Analogue des[Ala ²¹⁻³⁰]A42 Upon Binding to Octyl Glucoside Micelles," <u>Peptides</u> , 527-528, (1992).
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	DN	Ley et al., "Lectin-Like Cell Adhesion Molecule 1 Mediates Leukocyte Rolling in Mesenteric Venules <i>In Vivo</i> ", <u>Blood</u> , 77(12):2553-2555 (1991).
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	DZA	McEver et al., "A Monoclonal Antibody to a Membrane Glycoprotein Binds Only to Activated Platelets", <u>The Journal of Biological Chemistry</u> , 259(15):9799-9804 (1984).
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	EB	Mengelers et al., "Down Modulation of L-Selectin Expression on Eosinophils Recovered from Bronchoalveolar Lavage Fluid After Allergen Provocation", <u>Clinical and Experimental Allergy</u> , 23:196-204, (1993).
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	EH	Mulligan et al., "Protective Effects of Oligosaccharides in P-Selectin-Dependent Lung Injury", <u>Nature</u> 364:149-151 (1993).
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	EN	Norton et al., "Expression of Adhesion Molecules in Human Intestinal Graft-Versus-Host Disease", <u>Clin. Exp. Immunol.</u> , 87:231-236, (1992).
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	EQ	Paik et al., "Nucleotide Sequence and Structure of the Human Apolipoprotein E Gene," <u>Proc. Natl. Acad. Sci. USA</u> , 82:3445-3449, (May 1985).
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	ET	Pan et al., "Characterization of the Promoter for the Human P-selectin Gene," <u>J. of Biol. Chem.</u> , 268(30):22600-22608, (1993).
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	EW	Polley et al., "CD62 and Endothelial Cell-Leukocyte Adhesion Molecule 1 (ELAM-1) Recognize the Same Carbohydrate Ligand, Sialyl-Lewis x", <u>Proc. Natl. Acad. Sci. USA</u> , 88:6224-6228 (1991).
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
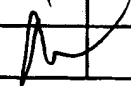
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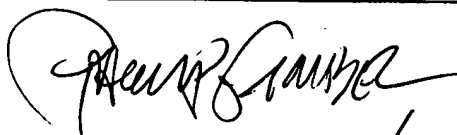
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U. S. PATENT DOCUMENTS						
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u		LO-GUIDICE ET AL., "Sialylation and Sulfation of the Carbohydrate Chains in Respiratory Mucins from a Patient with cystic Fibrosis", <i>Journal of Biological Chemistry</i> , Vo. 269, No. 29, July 22, 1994, pp. 18974-18813, XP002022672.
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